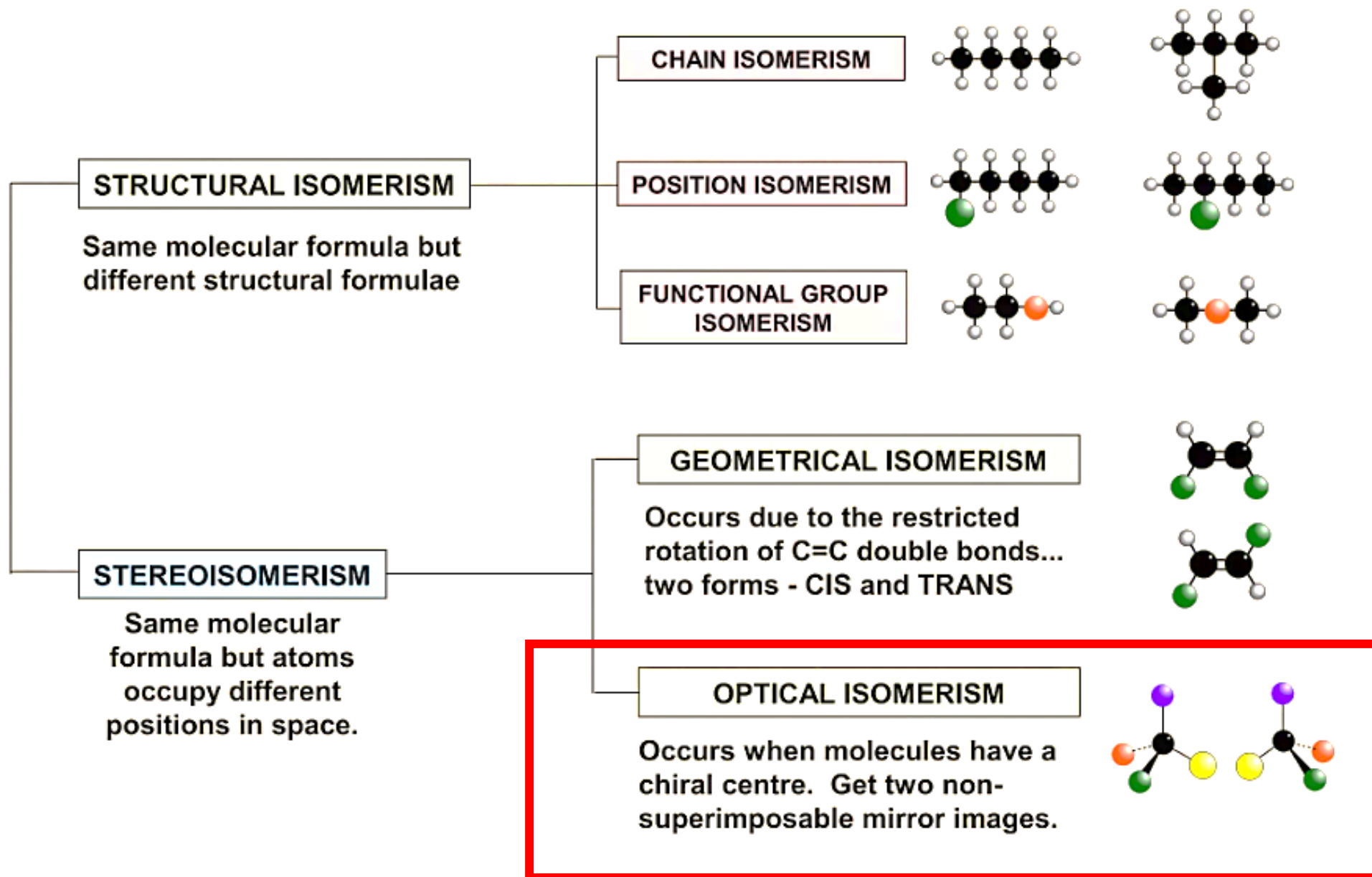
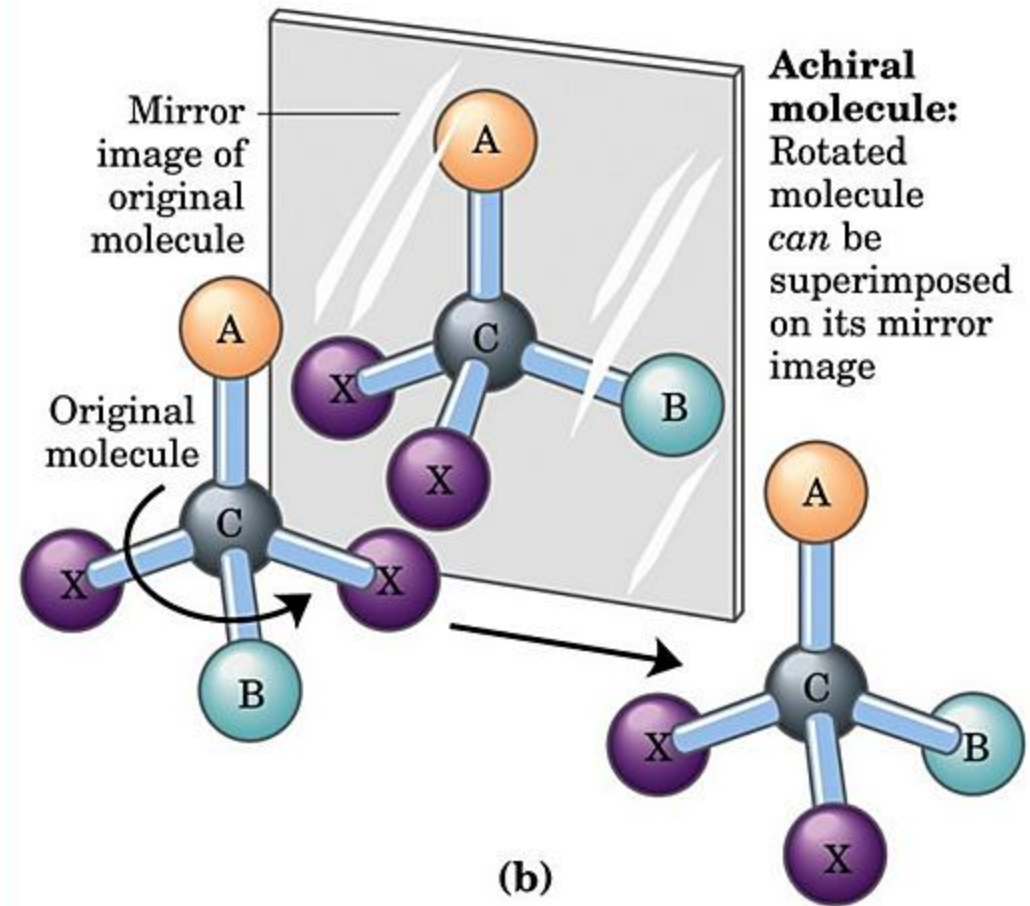
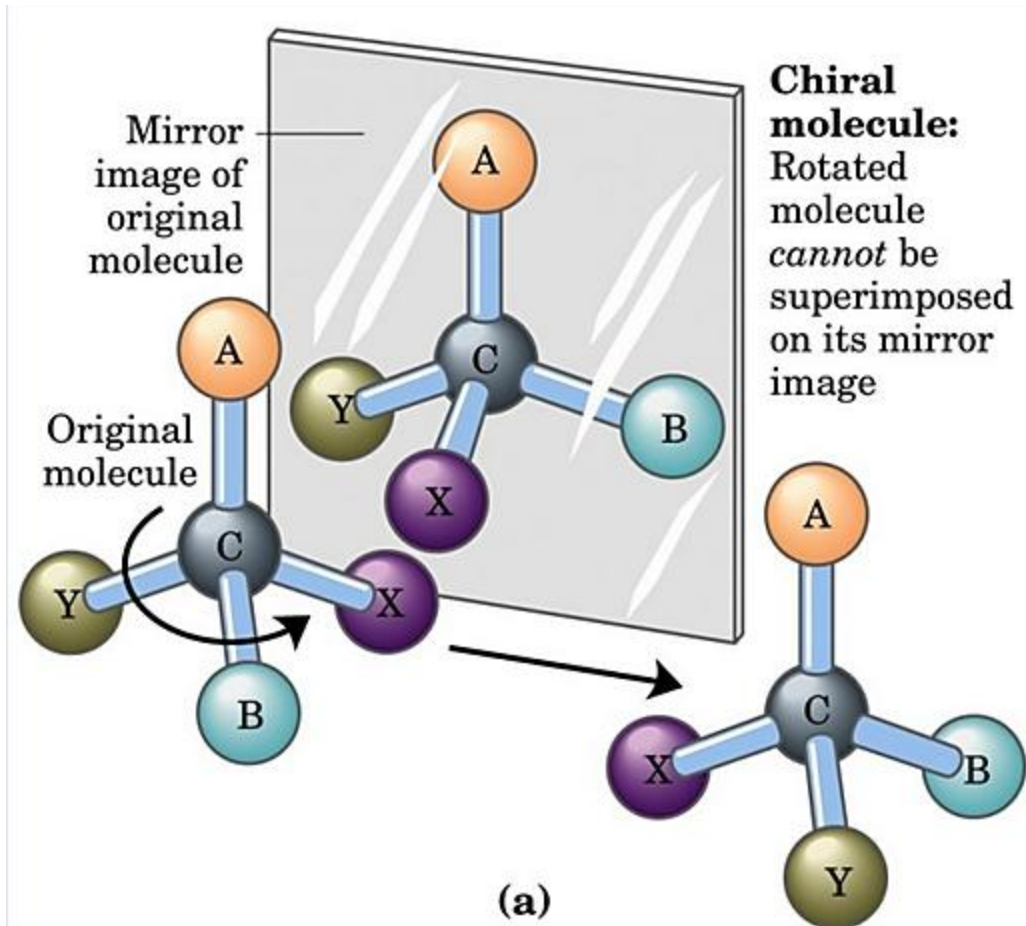


Optical Isomerism

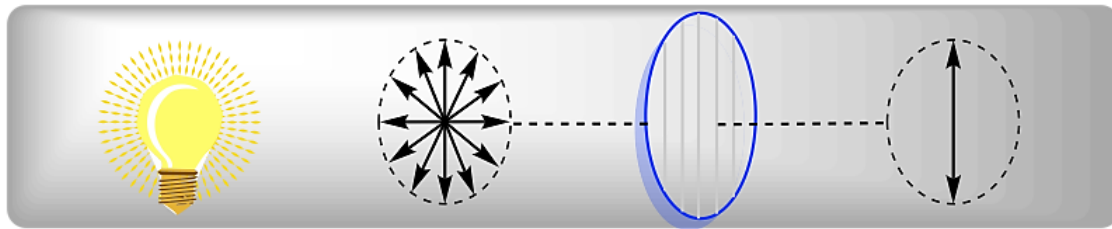


Optical Isomerism



Optical Isomerism

When **a plane-polarized light** is passed through one of the 2 enantiomers of a chiral molecule that molecule rotates light in a certain direction. When the same plane polarized light is passed through the other enantiomer, that enantiomer rotates light by the same amount but in the opposite direction. (**Isomers = Optical Isomers**)

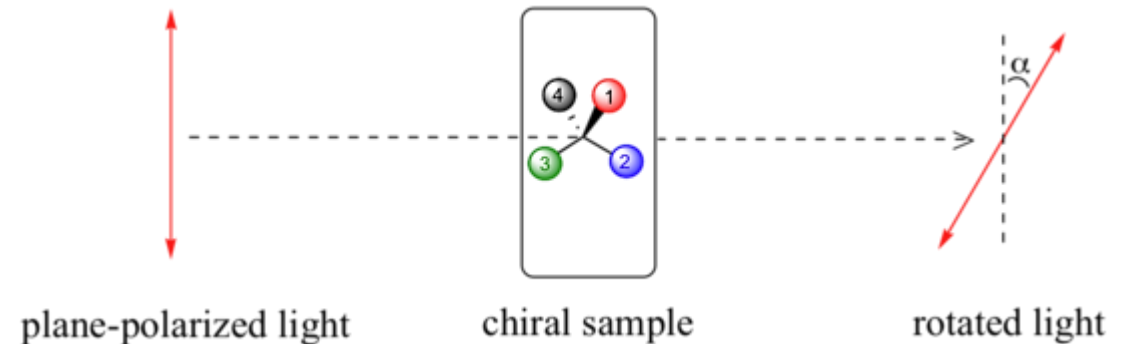
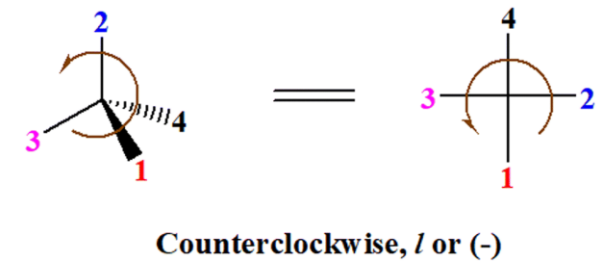
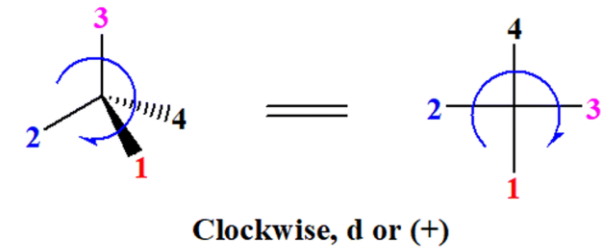
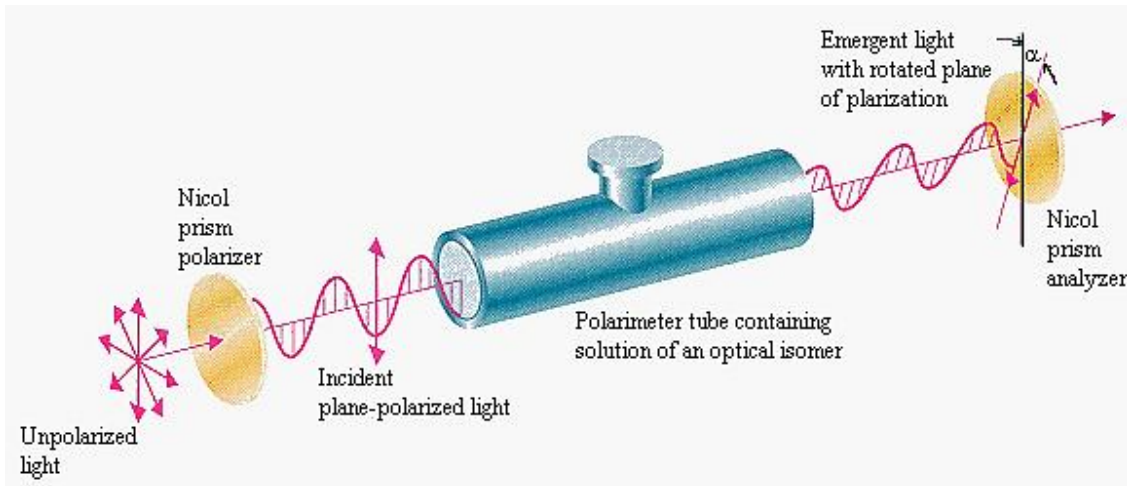


light source

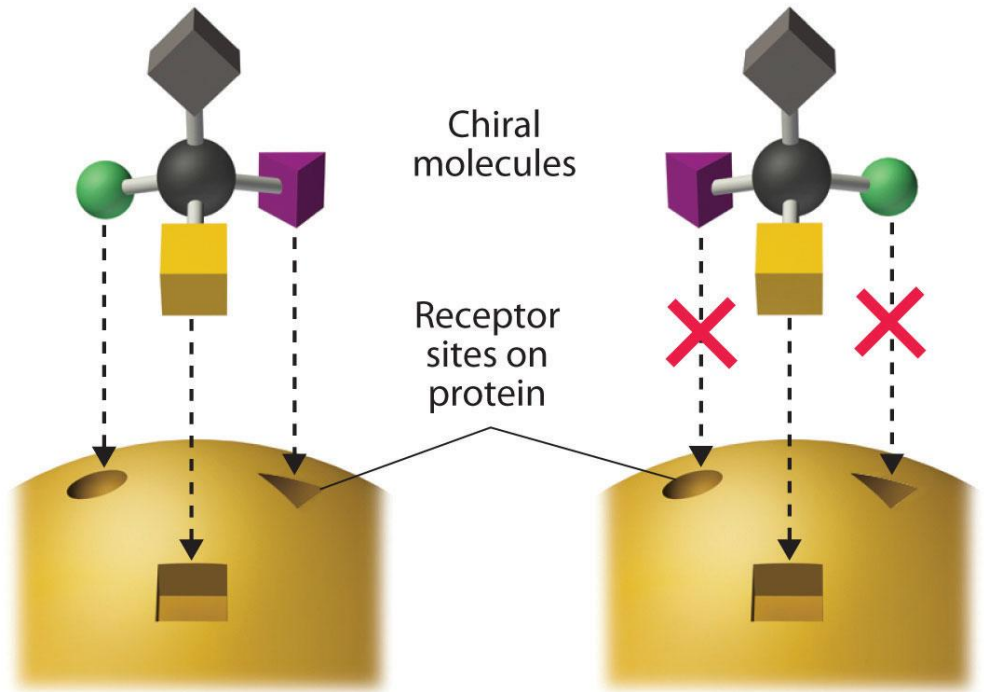
normal light

polarizing filter

plan-polarized light



Optical Isomerism



(a) Molecule fits receptor site, leading to a response

(b) Molecule does not fit receptor site; no response

